Fig. 1: Pathway of Synthesis

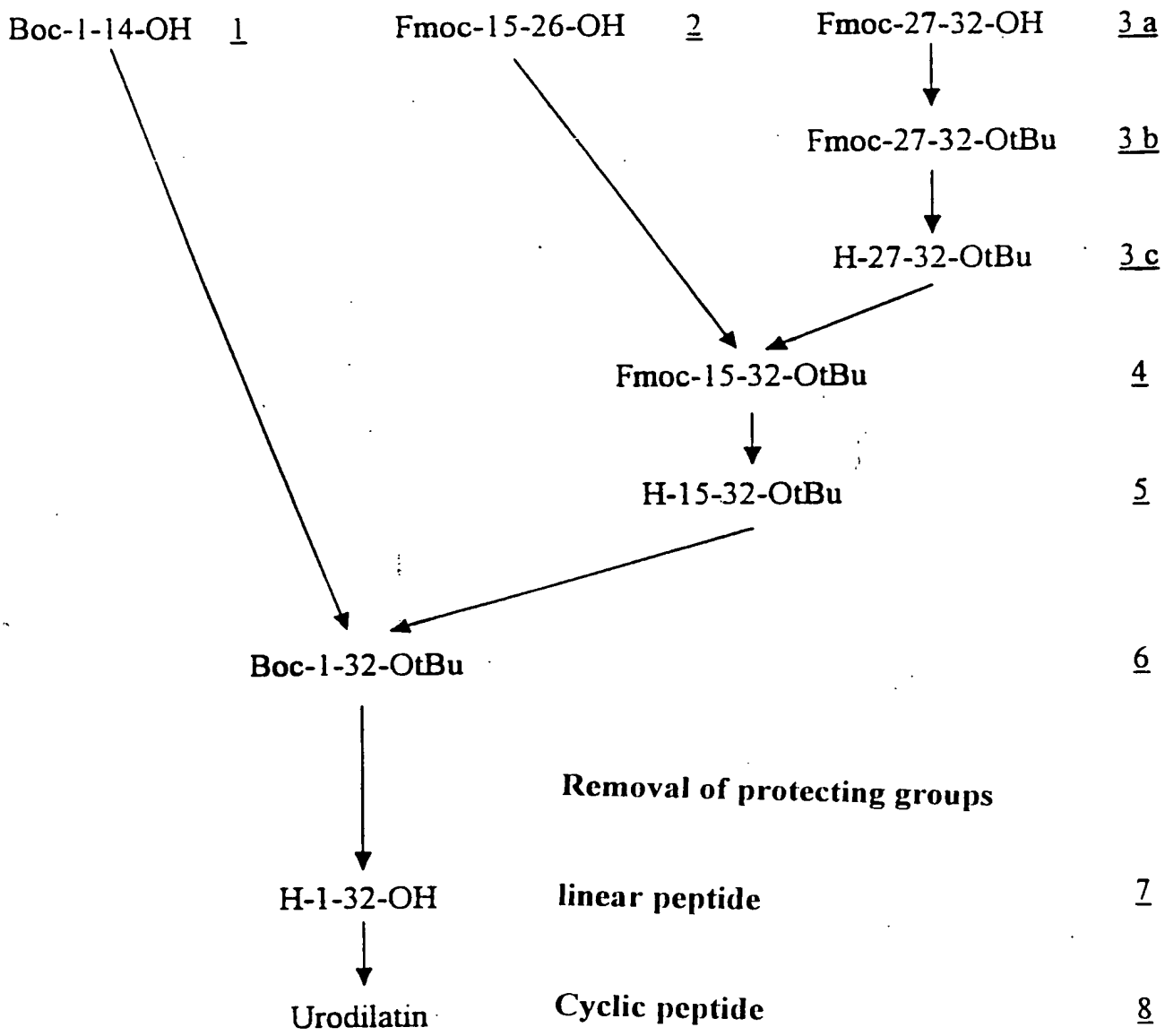

Fig. 2: Synthesized Fragments

Boc-Thr(tBU)-Ala-Pro-Arg(Pbf)-Ser(tBu)-Leu-Arg(Pbf)-Arg(Pbf)-Ser(tBu)-Ser(tBu)-Cys(Acm)-Phe-Gly-Gly-OH 1

Fmoc-Arg(Pbf)-Met-Asp(OtBu)-Arg(Pbf)-Ile-Gly-Ala-Gln(Trt)-Ser(tBu)-Gly-Leu-Gly-OH 2

R^1-Cys(Trt)-Asn(Trt)-Ser(tBu)-Phe-Arg(Pbf)-Tyr(tBu)-O-R^2

3 a R^1 = Fmoc R^2 = OH
3 b R^1 = Fmoc R^2 = OtBu
3 c R^1 = H R^2 = OtBu

R^3-Arg(Pbf)-Met-Asp(OtBu)-Arg(PbF)-Ile-Gly-Ala-Gln(Trt)-Ser(tBu)-Gly-Leu-Gly-Cys(Trt)-Asn(Trt)-Ser(tBu)-Phe-Arg(Pbf)-Tyr(tBu)-OtBu

4 R^3 = Fmoc
5 R^3 = H

Boc-Thr(tBu)-Ala-Pro-Arg(Pbf)-Ser(tBu)-Leu-Arg(Pbf)-Arg(Pbf)-Ser(Bu)-Ser(tBu)-Cys(Acm)-Phe-Gly-Gly-Arg(Pbf)-Met-Asp(OtBu)-Arg(Pbf)-Ile-Gly-Ala-Gln(Trt)-Ser(tBu)-Gly-Leu-Gly-Cys(Trt)-Asn(Trt)-Ser(tBu)-Phe-Arg(Pbf)-Tyr(tBu)-OtBu 6

H-Thr-Ala-Pro-Arg-Ser-Leu-Arg-Arg-Ser-Ser-Cys(Acm)-Phe-Gly-Gly-Arg-Met-Asp-Arg-Ile-Gly-Ala-Gln-Ser-Gly-Leu-Gly-Cys-Asn-Ser-Phe-Arg-Tyr-OH 7

H-Thr-Ala-Pro-Arg-Ser-Leu-Arg-Arg-Ser-Ser-Cys-Phe-Gly-Gly-Arg-Met-Asp-Arg-Ile-Gly-Ala-Gln-Ser-Gly-Leu-Gly-Cys-Asn-Ser-Phe-Arg-Tyr-OH 8

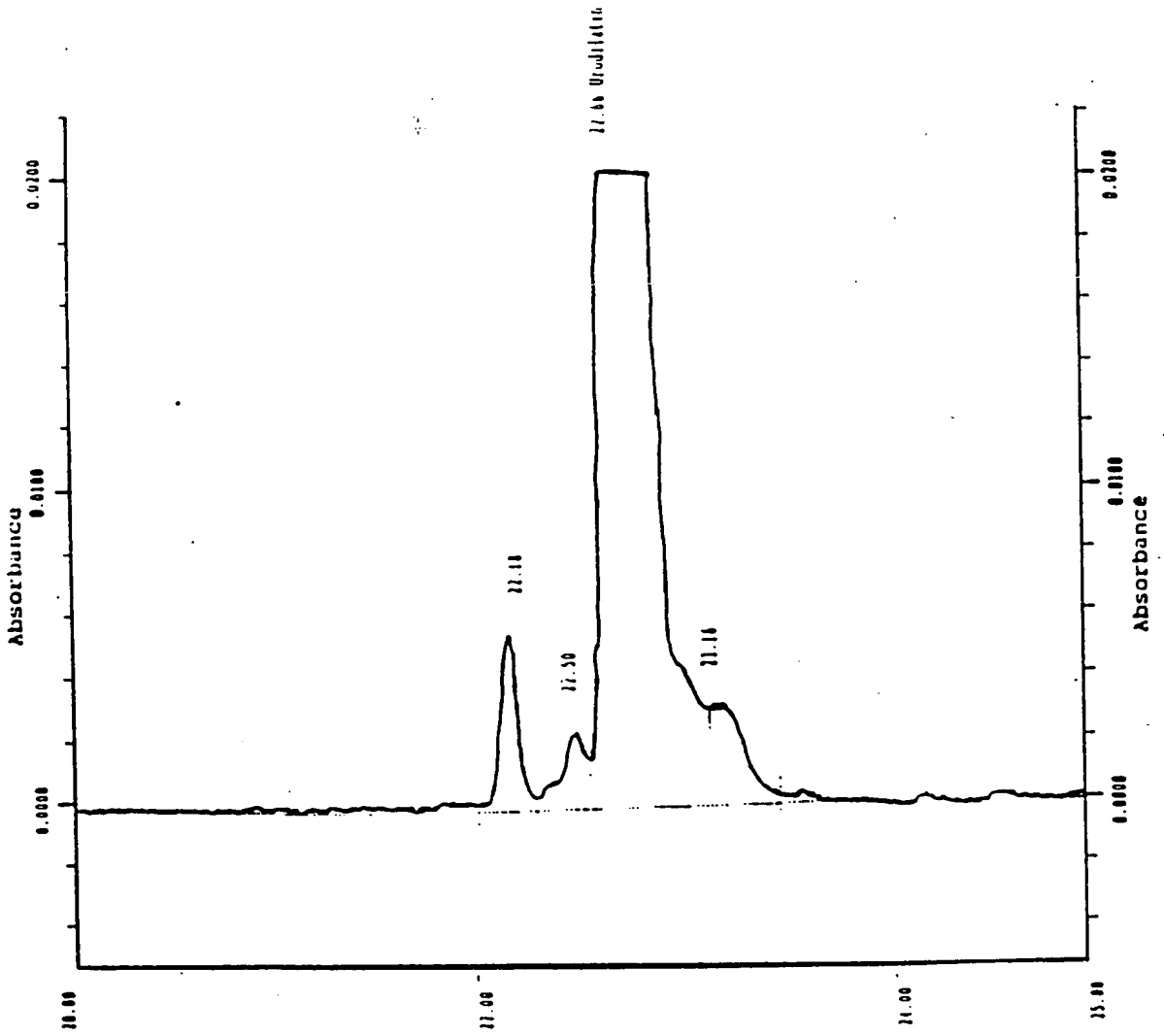

Fig. 3:

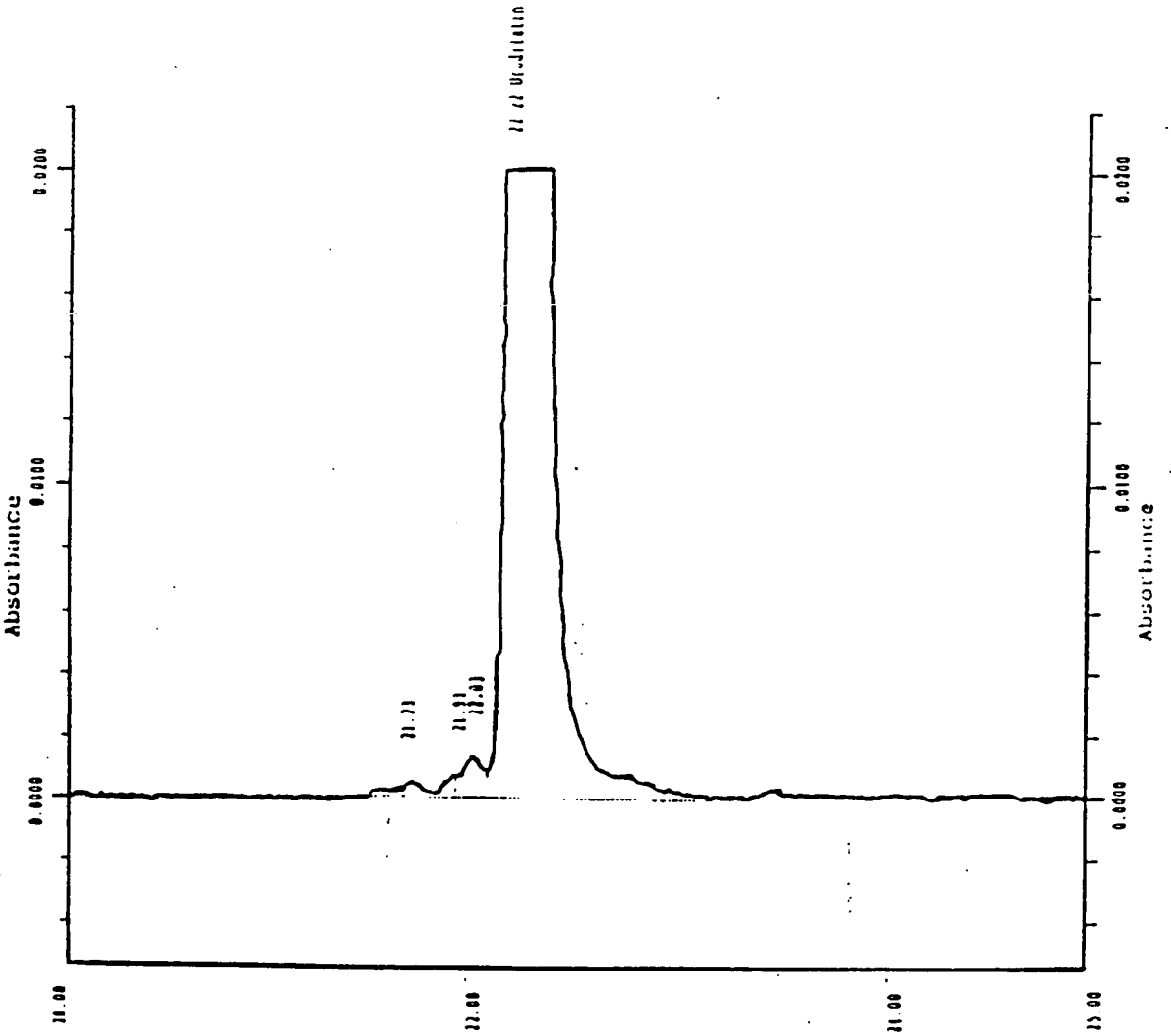

Fig. 4:

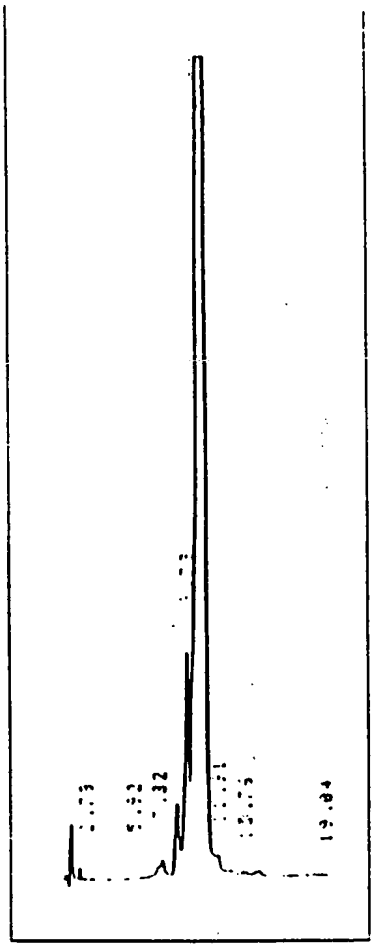

Fig. 5:

96220 "/"/2050

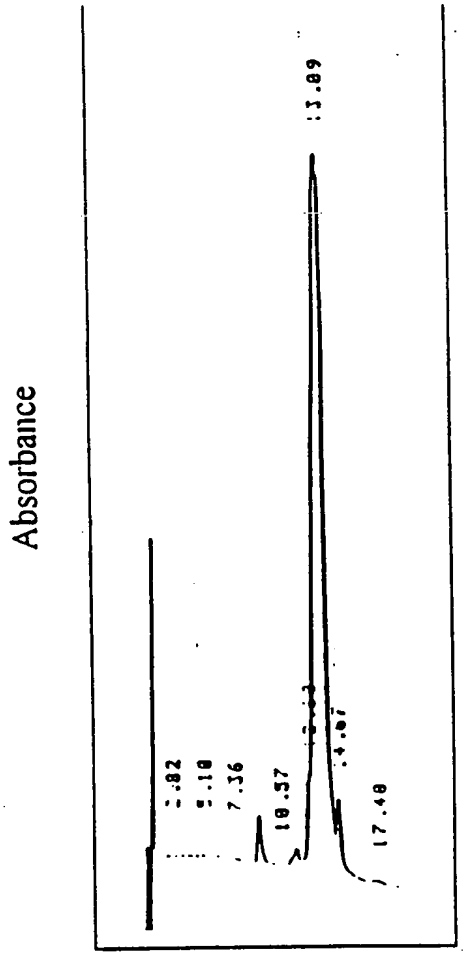

Fig. 6: